PATENT CLAIMS

- 1. A laser welding device for welding one or more said components (7), comprising one or more said laser welding heads (2), **characterized in that** said laser welding device (1) has one or more said moving means (8) for said components (7) for a relative movement in relation to said laser welding head (2), which is designed as a remote laser and is arranged at a spaced location from said component (7).
- 2. A laser welding device in accordance with claim 1, characterized in that said moving means (8) is designed as a said component conveyor (9).

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- 3. A laser welding device in accordance with claim 1, characterized in that said moving means (8) are designed as a said multiaxial robot (10).
- 4. A laser welding device in accordance with claim 1, 2 or 3, characterized in that said laser welding head (2) are arranged stationarily.
- 5. A laser welding device in accordance with claim 1, 2 or 3, characterized in that said laser welding head (2) is arranged nonstationarily by means of a said moving unit (11).
- 6. A laser welding device in accordance with one of the above claims, characterized in that said laser welding head (2) has one or more scanner heads for the controllable deflection of said laser beam (4).
 - 7. A laser welding device in accordance with one of the above claims, characterized

in that said moving means (8) for said components (7) is controlled according to the focal distance.

- 8. A laser welding device in accordance with one of the above claims, characterized in that said laser welding head (2) has a focal distance of approx. 200 mm to 400 mm.
- 9. A laser welding device in accordance with one of the above claims, **characterized** in that a plurality of said laser welding heads (2) are connected to a said common external laser beam source (3) by means of a said controllable beam switch (6) and said laser beam guides (5).

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- 10. A process for the laser welding of one or more said components (7) by means of one or more said laser welding heads (2), **characterized in that** said components (7) are guided and moved during welding by one or more said moving means (8) by a preferably multiaxial relative movement in relation to said laser welding head (2), which is designed as a remote laser and is arranged at a spaced location from said component (7).
- 11. A process for laser welding in accordance with claim 10, characterized in that said components (7) are moved by one or more said multiaxial robots (10).